

Transistors for TV Display Horizontal Deflection Output Use

In recent years the development of new media has greatly changed the contents of information to be communicated and the amount of visual information has increased remarkably. For these circumstances Sanyo has developed horizontal deflection output-use transistors capable of being applied to terminals (monitor TVs) that communicate information to us.

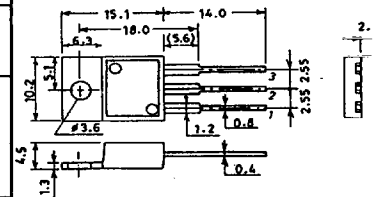
- Features
- * Less cost and less number of set assembling processes because mounting requires no insulator (TO-220ML, TO-3PML)
 - * Fast switching speed
 - * High reliability

General-Purpose Type

★ Monochrome Use (※: Tc=25°C)

Type No.		Package	Absolute Maximum Ratings/Ta=25°C				Electrical Characteristics/Ta=25°C						
Damper Diode			V _{CBO} (V)	V _{CEO} (V)	I _C (A)	P _C ※ (W)	V _{CE} (V)	I _C (A)	h _{FE}	I _C (A)	I _B (A)	V _{CE(sat)} max (V)	t _f max (μs)
with	without												
-	2SD1159	TO-220	200	60	4.5	40	5	1	30-160	4	0.4	1	0.5
-	2SD1958	TO-220ML			30								

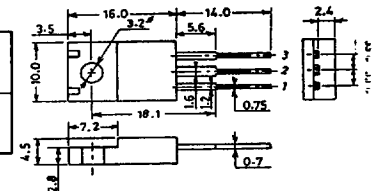
Case Outlines (unit:mm)
1:Base, 2:Collector, 3:Emitter
SANYO:TO-220



Color TV Use

Type No.		Package	V _{CBO} (V)	V _{CEO} (V)	I _C (A)	P _C ※ (W)	V _{CE} (V)	I _C (A)	h _{FE}	I _C (A)	I _B (A)	V _{CE(sat)} max (V)	t _f max (μs)
with	without												
-	BU508A	TO-3PB	1500	800	5.0	100	5	0.5	min 8	4.5	2	5	0.4
BU508DF	BU508AF	TO-3PML			5.0								

SANYO:TO-220ML

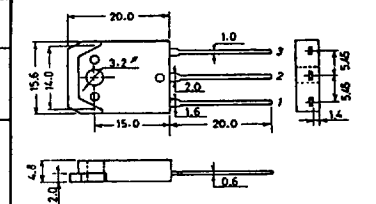


High-Performance Type (※: Tc=25°C)

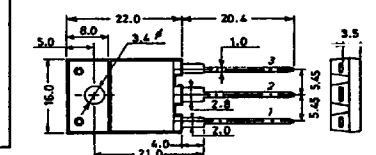
The high-performance type transistors are fabricated using the process technology (MBIT) used to fabricate transistors of very fine structure. They provide less heat generation inside a set and higher cost performance in TV design.

Type No.		Package	Absolute Maximum Ratings/Ta=25°C				Electrical Characteristics/Ta=25°C								
Damper Diode			V _{CBO} (V)	V _{CEO} (V)	I _C (A)	P _C ※ (W)	V _{CE} (V)	I _C (A)	h _{FE}	I _C (A)	I _B (A)	V _{CE(sat)} max (V)	t _f max (μs)		
with	without														
2SD1876	2SD1882	TO-3PML	1500	800	3	50	5	0.5	min 8	2	0.6	5	0.3		
2SD1877	2SD1883				4					2.5	0.8				
2SD1878	2SD1884				5					4	0.8				
2SD1879	2SD1885				6					5	1				
2SD1880	2SD1886				8					70	6			1.2	
2SD1881	2SD1887				10						8			1.6	
2SD2251	2SD2252				7					60	1			5	1

SANYO:TO-3PB

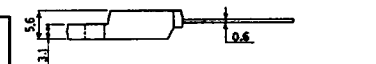


SANYO:TO-3PML



New products A * sign corresponds to the h_{FE} of the products.

Type No.		Package	V _{CBO} (V)	V _{CEO} (V)	I _C (A)	P _C ※ (W)	V _{CE} (V)	I _C (A)	h _{FE}	I _C (A)	I _B (A)	V _{CE(sat)} max (V)	t _f max (μs)
with	without												
2SD2578	*2SD2579	TO-3PML	1500	800	8	60	5	1	15-30 *20-35	5	1	5	0.3
2SD2580	*2SD2581				10					70	1		



These specifications are subject to change without notice.